SEQUENCE LISTING

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<110> Long, David M.
      Smidansky, Eric D.
      Strobel, Gary A.

<120> Taxol Production via Generation of Extrachromosomal
      DNAs in the Fungus Pestalotiopsis

<130> 57309-5002-US

<140> US 10/018,691
<141> 2001-12-20

<150> US 60/091,667
<151> 1998-07-02

<150> PCT/US99/15135
<151> 1999-07-02

<160> 12

<170> PatentIn Ver. 2.1

<210> 1
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR primer

<400> 1
ttacccgcag gacatatcca cg                                          22


<210> 2
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR primer

<400> 2
atagctgcgc cgatggtttc ta                                          22


<210> 3
<211> 54
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (49)..(54)
<223> This unit is present one or more times.
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<400> 3
taaagcaggg aagtatgcgc ttagggttag gtttttaggg ttagcttagg gtta   54

<210> 4
<211> 41
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (36)..(41)
<223> This unit is present one or more times.

<400> 4
acccgtatcg tgagcatcct agcttagggt tattagggtt a   41

<210> 5
<211> 39
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (34)..(39)
<223> This unit is present one or more times.

<400> 5
tgcatggagc cgggccacct tagggttagc ttagggtta   39

<210> 6
<211> 26
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(26)
<223> This unit is present one or more times.

<400> 6
gtgccgggga tcctaggtta gggtta   26

<210> 7
<211> 28
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (21)..(28)
<223> This unit is present one or more times.

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<400> 7
tggagccggt gagcgtgggt tagggtta                                    28


<210> 8
<211> 50
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (45)..(50)
<223> This unit is present one or more times.

<400> 8
tcgatggggg agtatggggg ttagcttagg gttaggttag cttagggtta            50


<210> 9
<211> 40
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (35)..(40)
<223> This unit is present one or more times.

<400> 9
ggggagtatg ggggagtacc ttagggttag cttagggtta                       40


<210> 10
<211> 31
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (26)..(31)
<223> This unit is present one or more times.

<400> 10
gcgacggacg cactgacggt taggggggtt a                                31


<210> 11
<211> 15
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (1)..(6)
<223> This unit is present one or more times (sequence
      is at telomeric repeat junction near 5' end of
      extrachromasomal DNA).
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<400> 11
ccctaaccca cgcta   15

<210> 12
<211> 27
<212> DNA
<213> Pestalotiopsis microspora

<220>
<221> repeat_unit
<222> (22)..(27)
<223> This unit is present one or more times (sequence
      is at telomeric repeat junction near 3' end of
      extrachromasomal DNA).

<400> 12
ccgggccacc ttagggttag cttaggg   27